



Scanned by CamScanner

: Full eye ble just a = 0 ; a = 0 ; n > 1 ba= 2 S f(x) Sinfax) dx = 2 S COSX · SININXI dx = 2 . 1 . Sin (nx+x) + Sin(nx-x) dx = 1 Sin(m+11x) + Sin (m-11x) dx n=1 d=1 i= bi= + Bin2x + Sinodx = 1 [-1 cos2x] = -1 (cos(1#)-cos(0))=0 1) de l'e bn= 1 [-cod(n+1)x) - cos((n-1)x)] - 1 [ cos((m+1)+1)-1 + cos((m-1)+0-1] COS/MITT = 1-11"] KOS (N+1) TT =1-11 N+1 - I [ (-1) m+1 -1 + (-1) mm -1 ] = - 1-1) -1 [ 1 + 1]  $= - \frac{(-1)^{m-1}}{11} \cdot \frac{2n}{n^2-1}$ 

